

REMARKS

Claims 1-19 have been rejected under 35 USC 102(b) as anticipated by Beeson (U.S. Patent No. 5,396,543). The rejection is respectfully traversed.

Beeson discloses an apparatus and method to provide cellular mobile communication service which has a modular switching system. The modular switching system is provided which performs the functions of the mobile switching center, the home location register, authentication center, visitor location register and equipment identity register. The Examiner specifically cites Figure 2, col. 4, ln. 66 - col. 5, ln. 25 and col. 11, ln. 26 - col. 12, ln. 31 as disclosing the features of claims 1 and 19. These portions of the Beeson reference disclose a mobile station (MS) 202 communicating with a Base Station System (BSS) 204 over radio links 206 using digital radio communications for voice or data, and control connections between the MS and BSS. The BSS and MS exchange control messages with the mobile switch center. In this system, an HLR 212, VLR 214, AUC 216 and EIR 218 each include records integrated into the MSC 210. When the MSC 210 requires records from another network entity, it obtains them via an SS7 message transmitted to the entity holding the record.

When an MS is not in an active call state, only a base version of the VLR is maintained for the MS in the wireless switch module (WSM). When a call is originated or received, a separate dynamic version of the VLR is stored and maintained in the WSM. If the MS moves and the call is handed over to a different switching module, then the dynamic copy of the VLR is transferred to the new WSM serving the MS for that call and is lined to a terminal process for servicing that call in that WSM. Data in the base VLR that is not relevant to the MS locations is changed only by administrative actions or such customer programming actions as the specification of a call forwarding number and are not copied into the dynamic VLR. Specifically, the location of the MS is not updated in either the dynamic or the base VLR during a call, and is updated in the base VLR only as part of a location update procedure.

All incoming calls first check the HLR. The HLR has stored within it the information necessary to find the base VLR, this information includes an identification of the MSC that

contains the base VLR. All administrative changes of data associated with an MS are entered first into the HLR which then sends messages for entering the corresponding change in the base VLR. Customer initiated changes such as the prescription of a different call forwarding number are forwarded initially the base VLR which does not initially make an change in its record but forward the request to the HLR which makes the necessary change and generates a message for updating the base VLR. The combined HLR and VLR is stored in the wireless switching modules of the MSC. Each switching module stores records for a range of mobile directory numbers and each module has a range translation to select a module based on the directory number.

The present invention relates to controlling switching-oriented actions in a mobile radio telephone system. Respective mobile radio telephone-specific data that defines conditions for a subscriber-dependent control of switching-oriented actions are established for one or more mobile subscribers in the MSC. During an incoming or outgoing call or a message transmission, call-related data and/or subscriber-specific data are evaluated by the MSC with reference to the conditions. Given a satisfied condition, at least one action is controlled subscriber-dependent.

Beeson fails to disclose establishing respective mobile radio telephone-specific data in a mobile switching center for a subscriber-contended control of actions, and controlling at least one action subscriber-dependent, as required by the claimed invention (see, for example, claims 1 and 19). Rather, in Beeson, routing of an incoming or outgoing call is decided by the HLR at the request of the MSC. In order to make switching-oriented actions, such as routing of call connections, an agreement is required between the operator of the mobile radio telephone system and the system component. For example, Beeson states that when an MSC needs the HLR, VLR, AUC or EIR records from another network entity, it obtains them via SS7 messages transmitted to the entity that currently holds this information. In the claimed invention, on the other hand, routing of call connections, the acquisition of the call charges, etc, can be set and implemented subscriber-individually dependent on specific data- call-related and/or subscriber-specific- that are evaluated with reference to the condition stored in the MSC. Significantly, this

means that the system operator of the respective mobile radio telephone system can enter the criteria and parameters for the actions to be controlled into the MSC subscriber-individually in a flexible manner.

Since the recited structure and method are not disclosed by the applied reference, claims 1 and 19 are patentable. Claims 2-18, depending either directly or indirectly from claim 1, are similarly patentable. In view of the foregoing, claims 1-19 are in condition for allowance. An indication of the same is solicited.

Additionally, Applicants request that the Examiner acknowledge the Submission of Proposed Drawing Additions filed on April 14, 1999 with the original application filing.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant(s) petition(s) for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 449122016200.

Respectfully submitted,

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